



Decommissioning Oversight Board

Holtec Decommissioning International, LLC (HDI)



**IPEC Decommissioning Update
May 19, 2022**

**Rich Burroni, Site Vice President
914-254-6705**



Agenda

The agenda for this meeting will provide an update on completed activities since our last meeting on March 17th and projected activities thru July 27, the next Oversight Board Meeting.

The following will be presented:

- Dry Fuel Project
 - ISFSI Pad
 - Fuel Pool & Spent Fuel Pool Building Activities
 - Hi-Lift Crane
- Vessel Segmentation
 - Unit 2
 - Unit 3
- Building Demolition
- NRC Inspections and Activities
- State Correspondence and Commitments

Dry Fuel Project



ISFSI Pad

To Recap – the Dry Fuel Project concludes with all fuel from both spent fuel pools on the Independent Spent Fuel Storage Installation (ISFSI) pads and the protected area fence and monitoring systems installed by October 2023. It is considered as 1 of our 2 critical path activities. To accomplish this, we need to construct an additional ISFSI pad to house an additional 69 dry fuel casks which will compliment the exiting 58 casks on the existing pad.

Since the last Oversight Board Meeting:

- Retaining Wall has been constructed and backfilled
- The installation of conduits to support monitoring equipment
- Grading – Contour new pad and level haul path between the two pads is in progress.
- Installation of rebar and expansion joints is in progress

Projected activities through the end of July:

- Complete concrete pour of new pad (will start on 6/14)
- Continue with grading around the existing and new pad
- Continue with preparations to support monitoring equipment

Dry Fuel Project

ISFSI Pad
North Wall
Construction



Dry Fuel Project



ISFSI Pad North Wall Construction



Dry Fuel Project

ISFSI Pad North Wall Construction



Fuel Pool and Spent Fuel Pool Building Activities



To Recap – 896 fuel assemblies need to be casked at Unit 2 requiring 28 casks and 1280 assemblies need to be casked at Unit 3 requiring 41 casks. The Unit 2 Spent Fuel Pool off-load campaign is scheduled to start in August '22 and the Unit 3 Spent Fuel Pool off-load campaign is scheduled to start in February '23.

Since the last Oversight Board Meeting (Unit 2):

- All fuel assembly inspections were completed
- The load plan per cask has been finalized
- New Helium dryer has been landed
- Started transport rail repairs outside the SFB

Projected activities through the end of July:

- Complete installation of the Helium dryer
- Complete rail repairs outside the SFB
- Complete PM activities on the fuel handling machine, the cask handling crane, and the Vehicle Cask Transporter (VCT)
- Accept delivery of new MPC's and Hi-Storms

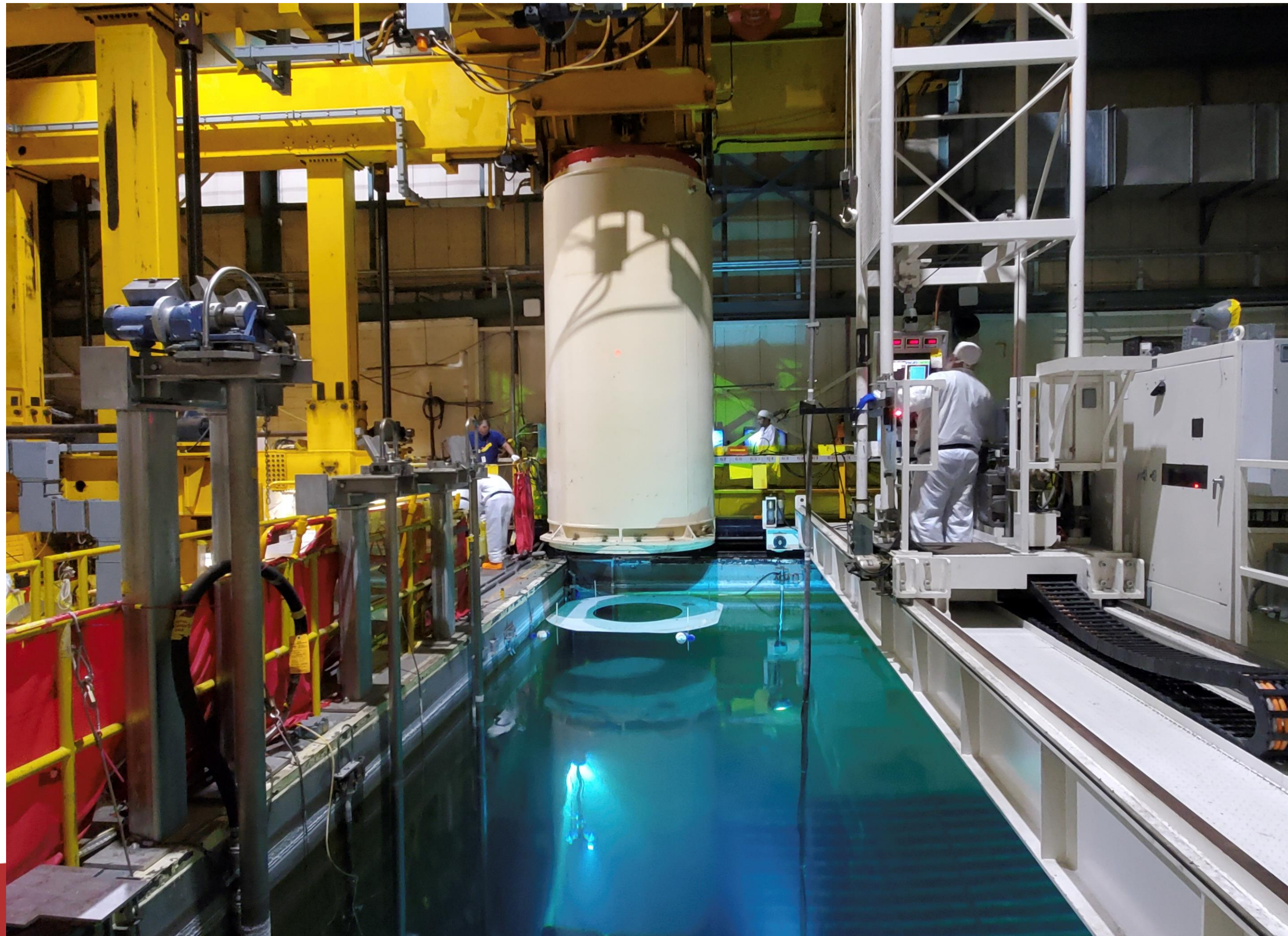
Fuel Pool and Spent Fuel Pool Building Activities



Fuel Pool and Spent Fuel Pool Building Activities



Fuel Pool and Spent Fuel Pool Building Activities



Fuel Pool and Spent Fuel Pool Building Activities



Since the last Oversight Board Meeting (Unit 3):

- All fuel assembly inspections were completed sat.
- Modification to the suction piping to the Spent Fuel Pool Cooling Pumps was completed (required due to interference with Hi-Lift crane).
- Commenced removal of the Back-up Spent Fuel Pool Cooling System to accommodate the installation of the HI-Lift.
- Commenced floor modification needed for new rail transport system.
- Completed removal of the rad waste processing skid.

Projected activities through the end of July:

- Continue with modifications to the building (duct work, heating, walkways & Back-Up Spent Fuel Pool Cooling System) to accommodate Hi-Lift Crane.

Fuel Pool and Spent Fuel Pool Building Activities



Hi-Lift Update

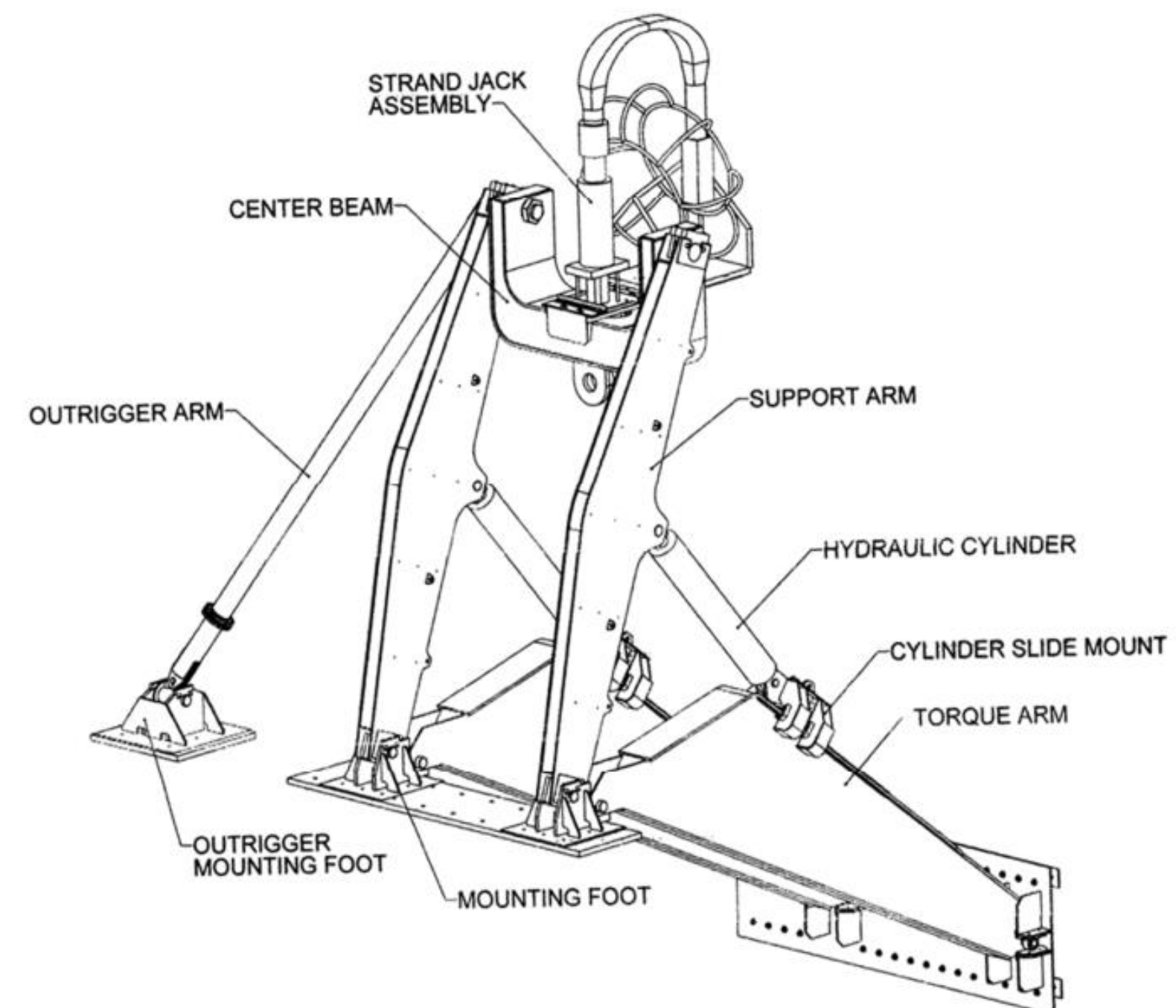
To Recap -- in response to a License Amendment Request (LAR) submitted to the NRC on March 24, 2020 requesting the installation of the Hi-Lift Crane, the NRC granted approval of the installation with a Safety Evaluation Report dated February 25, 2022.

Since the last Oversight Board Meeting:

- Parts required for assembly have been delivered.
- Construction of crane has started for the Factory Acceptance Test (FAT) at the Holtec Pittsburgh facility.
- The Engineering change package to facilitate installation has started.

Projected activities through the end of July:

- Complete Crane fabrication on 6/1/'22.
- FAT for the Hi-Lift is currently scheduled for 6/10/'22
- HI-Lift arrival on site scheduled for 7/8/'22.



Hi-Lift Crane (parts)

Strand Jacks



Outrigger Arms



Vessel Segmentation



To Recap – the segmentation of both vessels is considered our second critical path and is scheduled to be complete in the same time frame as the dry fuel project. As scheduled, Unit 2 work will trail Unit 3 by approximately 6-8 months.

Since the last Oversight Board Meeting (Unit 2):

- Removed feedwater and main steam lines from Steam Generators
- Removed insulation from the RCS Loops
- Removed internal stand structures from reactor cavity
- Completed hatch enlargement and roll-up door installation

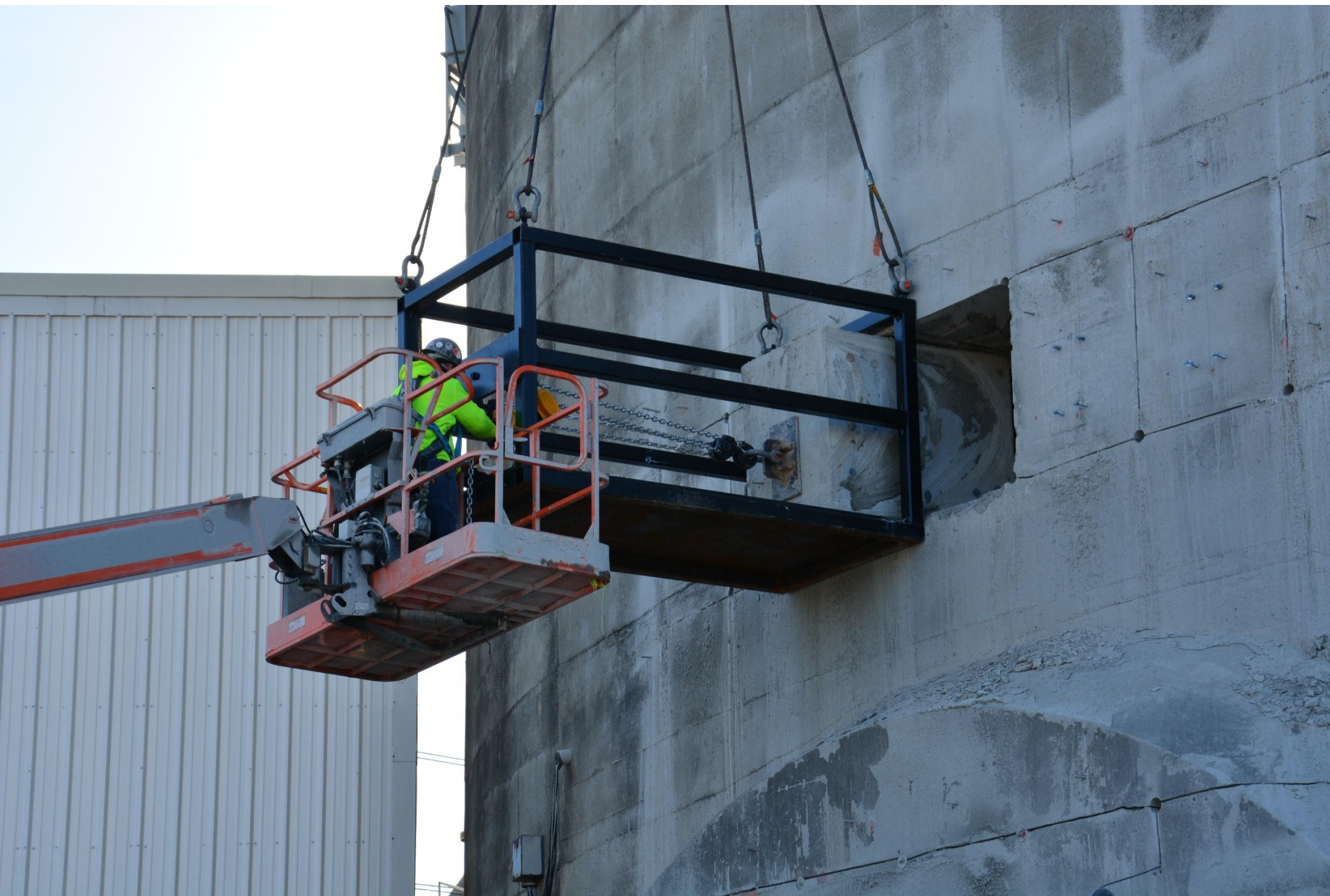
Projected activities through the end of July (Unit 2):

- Commence cutting steam domes of the 4 steam generators
- Remove additional cavity interferences
- Commence cutting RCS Loops
- Demo old equipment hatch

Vessel Segmentation



Vessel Segmentation



Vessel Segmentation



Since the last Oversight Board Meeting (Unit 3):

- All four Steam Generator Domes have been cut
- 3 of 8 RCS Loops have been cut and isolated from reactor
- Old equipment hatch has been disassembled and disposed of
- Missile Shield Blocks have been removed and disposed of
- Nuclear Instrumentation Detectors (used to monitor core reactivity) have been removed and are being disposed.
- Commenced installation of transport system for loads out of containment.
- Commenced training of individuals responsible for segmentation activities

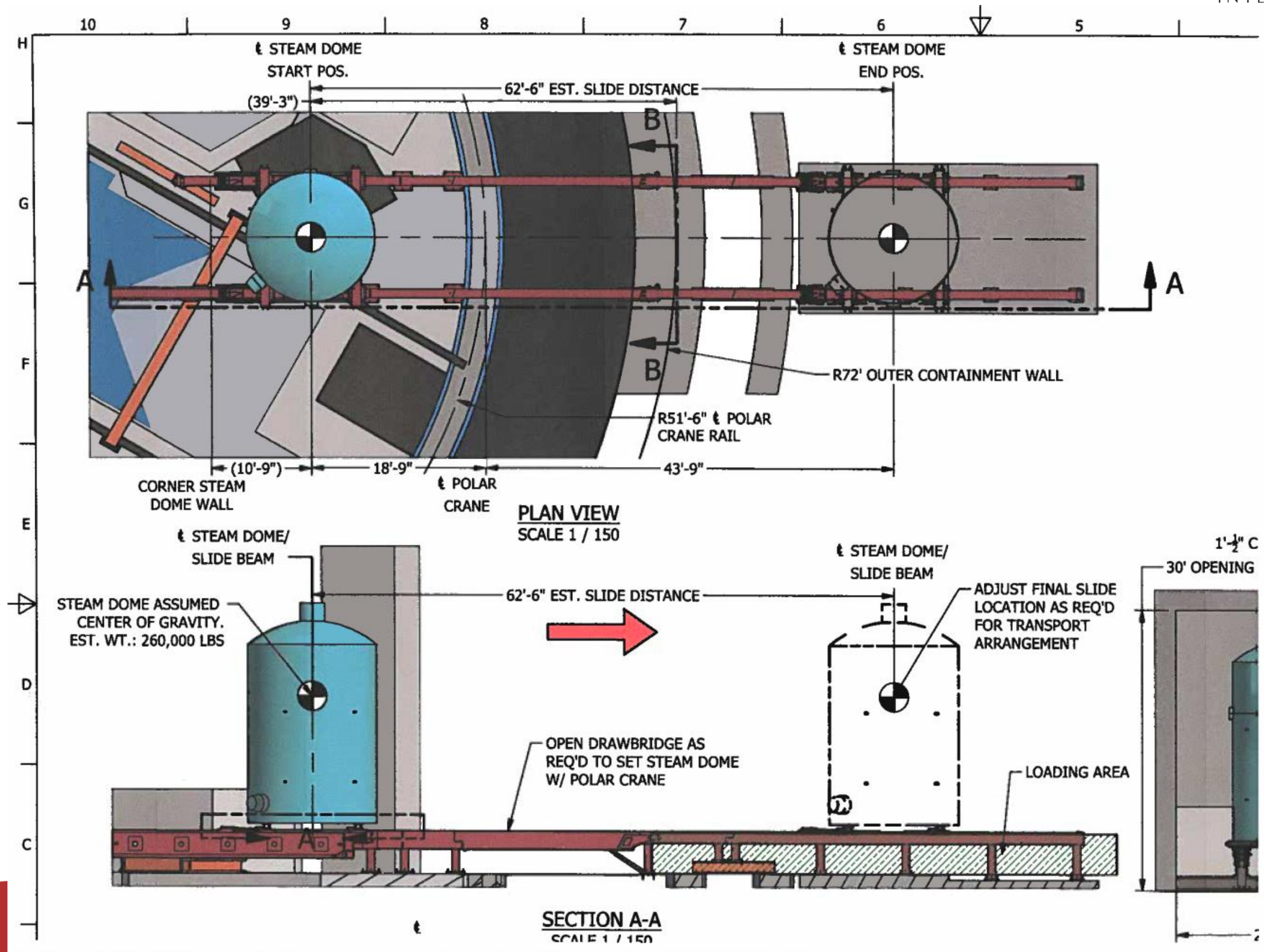
Projected activities through the end of July (Unit 3):

- Complete transport system and remove Steam Generator Domes
- Complete Segmentation Team training
- Ship Segmentation tooling following training
- Continue with RCS Loop cuts and isolation
- Prep for tooling and support structure installation in reactor cavity

Vessel Segmentation



Vessel Segmentation



Vessel Segmentation



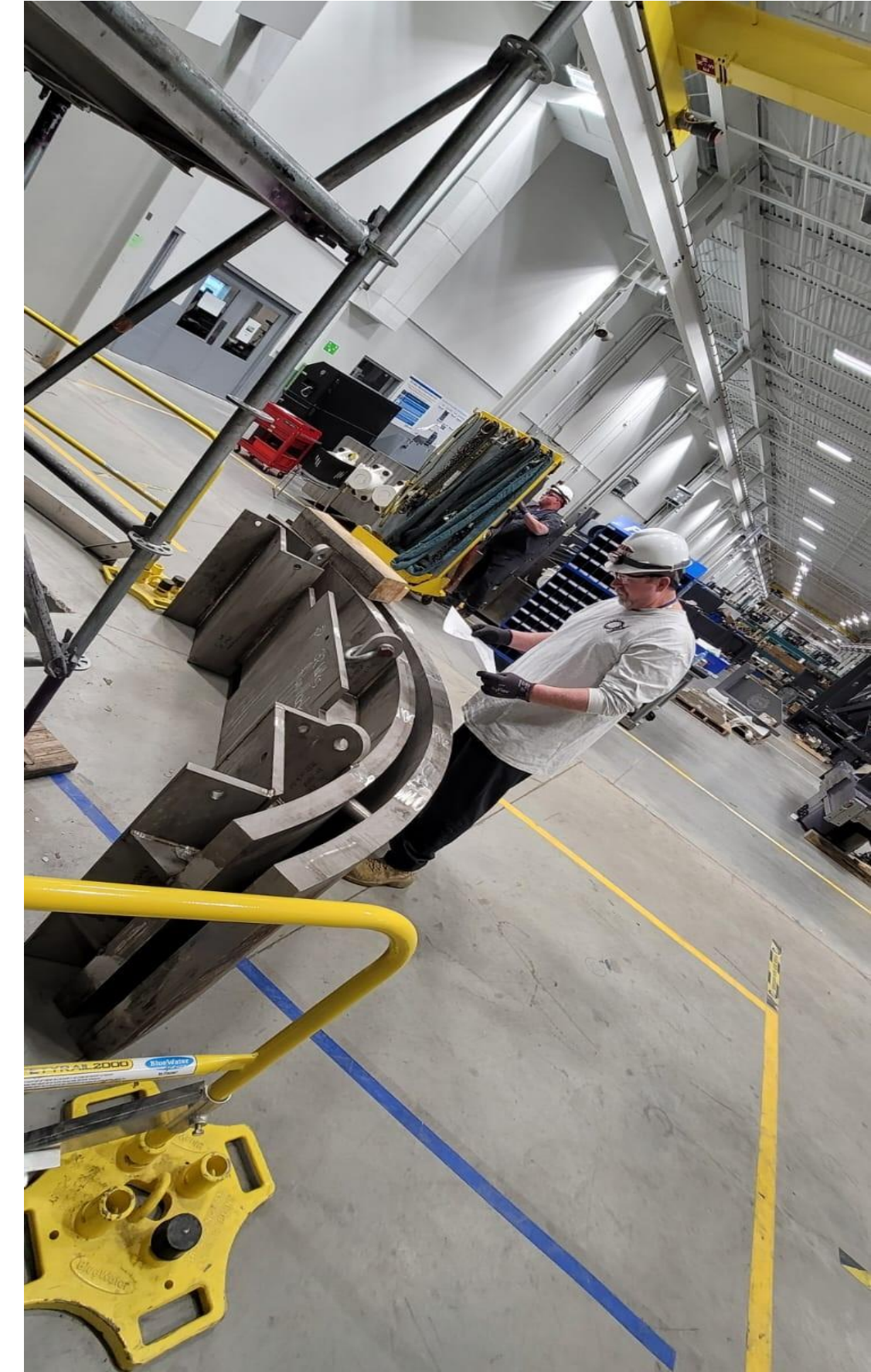
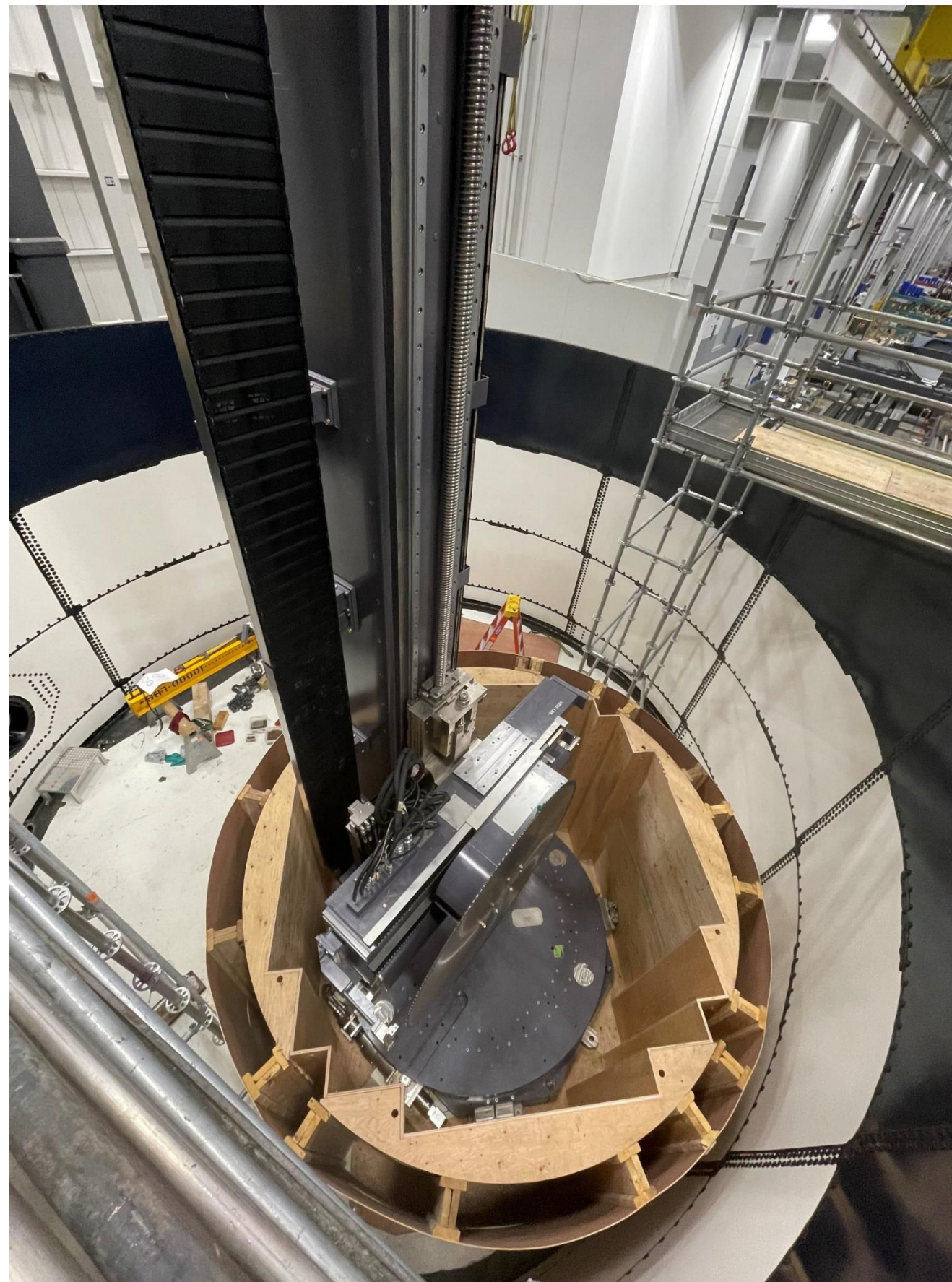
Vessel Segmentation



Vessel Segmentation



Vessel Segmentation



Building Demolition

Recap -- As stated on March 17th to the Oversight Board, building demolition activities are in progress along with several tanks no longer needed for support of the facility. Our concentration is on those tanks and buildings outside the protected area for ease of access for the demo crews. Following FOPP, demo work on buildings inside what is now known as the protected area will take place.

Since the last Oversight Board Meeting:

- Security check point building used for Unit 3 only has been removed
- No. 11 Fuel Oil Storage Tank is demolished – placing metal into containers.
- Gas Turbine Oil tank – cleaned, ready for demo

Projected demolition activities through the end of July:

- No. 12 Fuel Oil Storage Tank
- Gas Turbine “complex”
- Unit 3 Hazardous Waste Building (fluorescent bulbs, waste oil, cleaners, etc.)
- Training Center FWST and Diesel
- Warehouse 40
- Boathouse

Building Demolition



Building Demolition



Building Demolition



Building Demolition



Building Demolition



Building Demolition



Building Demolition



NRC Inspections & Activities

Submittal	IPEC Submittal Date	Requested / Anticipated NRC Review Complete
Exemption and LAR for Permanently Defueled Emergency Plan	12/2021	01/2023
Exemption from onsite and offsite Liability and Property Damage Insurance requirements	03/2022	02/2023
Exemption from CoC requirements for loading fuel assemblies with source inserted	03/2022	09/2022
LAR for removal of Cyber Security Requirements	05/2022	TBD
LAR for U2 Admin TS change (remove staffing for ISFSI only condition)	05/2022	TBD

Note:

- Satisfactory NRC Force on Force Inspection (5/4) No Violations
- 6/6/22 – 6/9/22 – NRC Onsite Inspection

State Correspondence and Commitments



Since the last Oversight Board Meeting, we have submitted and /or discussed the following to various state agencies:

- MOU with Holtec and Enbridge concerning the gas lines at IPEC
- Responded to a request regarding Holtec's past Operating Experience
- Working with NYS DPS on state resident inspector
- Provided feedback to multiple requests of information from NYS DPS
- Discussed Off-Site liability insurance with NYSERDA
- Discussed Rev.1 of the Site Characterization Scope Working Plan with NYS DEC. Will submit to NYS DEC with the incorporation of minor comments.
- Worked with Columbia Grad students on BV School Monitoring plan
- Working on property allowance south of plant for Town of Cortlandt

Thank You!



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